AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1.   (Cancelled)

Claim 2.   (Previously Presented)   In a computer system including a processing unit and a display device, wherein the perceived quality of an image displayed on the display device may be affected by a variety of factors including a user's ability to perceive the displayed image, and wherein the user's ability to perceive tends to vary from one user to another, a method of increasing the perceived quality of a displayed image by compensating for the user's ability to perceive, the method comprising the steps for:

storing user profile information about at least one user's ability to perceive a displayed image on said display device, the user profile information including information about a user gamma value preference;

when processing a representation of an image to be displayed on said display device, performing a gamma value correction operation on the data representing the image to be displayed using the stored user gamma value preference information; and

displaying the processed image on said display device.

Claim 3.   (Previously Presented)   A method in accordance with Claim 2, wherein the user profile information further includes at least one of a user gamut value preference and a user white point preference value.

Claim 4.   (Previously Presented)   A method in accordance with Claim 2, further comprising the step for:

periodically updating the stored user profile information.

Claim 5.   (Previously Presented)   A method in accordance with Claim 4, further comprising the step for:

using the display device to test the at least one user's ability to perceive, where the step for periodically updating the stored user profile information is performed based on the test.

Claim 6.   (Previously Presented)   A method in accordance with Claim 2, further comprising the step for:

using the display device to test the at least one user's ability to perceive, where the user profile information is based on the test.

Claim 7.   (Previously Presented)   A method in accordance with Claim 2, wherein the user profile information further includes information about a user's ability to perceive color versus resolution when performing scan conversion for each sub-component of a pixel, wherein the step for processing a representation of an image further comprises the step for:

performing a filtering operation on the data representing the image to be displayed using said stored information about a user's ability to perceive color versus resolution.

Claim 8.   (Previously Presented)   A computer program product for use in a computer system including a processing unit and a display device, wherein the perceived quality of an image displayed on the display device may be affected by a variety of factors including a user's ability to perceive the displayed image, and wherein the user's ability to perceive tends to vary from one user to another, the computer program product comprising one or more computer-readable media having thereon computer-executable instructions that, when executed by one or more processors of the computer system including the processing unit, cause the computer system to perform a method of increasing the perceived quality of a displayed image by compensating for the user's ability to perceive, the method comprising the steps for:

storing user profile information about at least one user's ability to perceive a displayed image on said display device, the user profile information including information about a user gamma value preference;

when processing a representation of an image to be displayed on said display device, performing a gamma value correction operation on the data representing the image to be displayed using the stored user gamma value preference information; and

displaying the processed image on said display device.

Claim 9.   (Previously Presented)   A computer program product in accordance with Claim 8, wherein the one or more computer-readable media are physical memory media.

Claim 10.   (Previously Presented)   A computer program product in accordance with Claim 8, wherein the method further comprises the step for:

periodically updating the stored user profile information.

Claim 11.   (Previously Presented)   A computer program product in accordance with Claim 8, wherein the method further comprising the step for:

using the display device to test the at least one user's ability to perceive, where the user profile information is based on the test.

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Claim 12.   (Previously Presented)   In a computer system including a processing unit and a display device, wherein the perceived quality of an image displayed on the display device may be affected by a variety of factors including a user's ability to perceive the displayed image, and wherein the user's ability to perceive tends to vary from one user to another, a method of increasing the perceived quality of a displayed image by compensating for the user's ability to perceive, the method comprising the steps for:

> storing user profile information about at least one user's ability to perceive a displayed image on said display device, the user profile information including information about a user's ability to perceive color versus resolution when performing scan conversion for each sub-component of a pixel;

> when processing a representation of an image to be displayed on said display device, performing a filtering operation on the data representing the image to be displayed using said stored information about a user's ability to perceive color versus resolution; and

> displaying the processed image on said display device.

Claim 13.   (Previously Presented)   A method in accordance with Claim 12, wherein the user profile information further includes at least one of a user gamma value preference, a user gamut value preference, and a user white point value preference.

Claim 14.   (Previously Presented)   A method in accordance with Claim 12, further comprising the step for:

periodically updating the stored user profile information.

Claim 15.   (Previously Presented)   A method in accordance with Claim 14, further comprising the step for:

using the display device to test the at least one user's ability to perceive, where the step for periodically updating the stored user profile information is performed based on the test.

Claim 16.   (Previously Presented)   A method in accordance with Claim 12, further comprising the step for:

using the display device to test the at least one user's ability to perceive, where the user profile information is based on the test.

Claim 17.   (Previously Presented)   A method in accordance with Claim 12, wherein the user profile information further includes a user gamma value preference, wherein the step for processing a representation of an image further comprises the step for:

performing a gamma value correction operation on the data representing the image to be displayed using the user gamma value preference information.

Claim 18.   (Previously Presented)   A computer program product for use in a computer system including a processing unit and a display device, wherein the perceived quality of an image displayed on the display device may be affected by a variety of factors including a user's ability to perceive the displayed image, and wherein the user's ability to perceive tends to vary from one user to another, the computer program product comprising one or more computer-readable media having thereon computer-executable instructions that, when executed by one or more processors of the computer system including the processing unit, cause the computer system to perform a method of increasing the perceived quality of a displayed image by compensating for the user's ability to perceive, the method comprising the steps for:

storing user profile information about at least one user's ability to perceive a displayed image on said display device, the user profile information including information about a user's ability to perceive color versus resolution when performing scan conversion for each sub-component of a pixel;

when processing a representation of an image to be displayed on said display device, performing a filtering operation on the data representing the image to be displayed using said stored information about a user's ability to perceive color versus resolution; and

displaying the processed image on said display device.

Claim 19.   (Previously Presented)   A computer program product in accordance with Claim 18, wherein the one or more computer-readable media are physical memory media.

Claim 20.   (Previously Presented)   A computer program product in accordance with Claim 18, wherein the method further comprises the step for:

periodically updating the stored user profile information.

Claim 21.   (Previously Presented)   A computer program product in accordance with Claim 18, wherein the method further comprising the step for:

using the display device to test the at least one user's ability to perceive, where the user profile information is based on the test.